

From glowbugs@theporch.com Mon Dec 9 10:47:42 1996
Return-Path: <glowbugs@theporch.com>
Received: from uro (localhost.theporch.com [127.0.0.1])
by uro.theporch.com (8.8.4/AUX-3.1.1)
with SMTP id KAA07036;
Mon, 9 Dec 1996 10:37:57 -0600 (CST)
Date: Mon, 9 Dec 1996 10:37:57 -0600 (CST)
Message-Id: <199612091637.KAA07036@uro.theporch.com>
Errors-To: ws4s@infoave.net
Reply-To: glowbugs@theporch.com
Originator: glowbugs@theporch.com
Sender: glowbugs@theporch.com
Precedence: bulk
From: glowbugs@theporch.com
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: GLOWBUGS digest 377
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com
Status: RO

GLOWBUGS Digest 377

Topics covered in this issue include:

- 1) *The Micamold scorches the airwaves*
by john <johnmb@pop.mindspring.com>
- 2) Mica-mistake!
by john <johnmb@pop.mindspring.com>
- 3) Reprint Permission from old Handbooks
by "Paul F. Carreiro" <carreiro@barepower.net>
- 4) Larry's Fifth Day of Christmas
by "Lawrence R. Ware" <lrware@pipeline.com>
- 5) Life is Good
by Bob Marsh <bmarsh@hicom.net>
- 6) Dec. 7th: "Yoop-yoop"
by tomrice@netcom.com (Tom R. Rice)
- 7) Hookup wWire and Dial Plates
by tomrice@netcom.com (Tom R. Rice)
- 8) Re: Reprint Permission...
by "Paul F. Carreiro" <carreiro@barepower.net>

Date: Sun, 08 Dec 1996 13:36:03 -0500
From: john <johnmb@pop.mindspring.com>
To: boatanchors@theporch.com
Subject: *The Micamold scorches the airwaves*
Message-ID: <199612081834.SAA84382@mule1.mindspring.com>

The mighty MicaMold XTR -1 (love that name!) with its firebreathing 14 watt 6L6 output will be holding forth on the 3.579 colorburst freq tonight. Love monitoring the CW with the built in purple glow of the 80 rectifier on on its open chassis.

We'll be looking to snag it's first QSO in who-knows-how long today, if anyone's interested. Fire up that Mack, or Eby and meet me there!

Any interest in photos of this and some of the other junkie around here? If so, I'll take some and put 'em in my page...

Best 73!
/John

John Brewer AMI #24
WB50AU/4 Clayton NC
Always looking for Lysco, and other
lesser known commercial ham gear
from the 30s-60s.

Date: Sun, 08 Dec 1996 13:47:07 -0500
From: john <johnmb@pop.mindspring.com>
To: boatanchors@theporch.com
Subject: Mica-mistake!
Message-ID: <199612081845.SAA78682@mule0.mindspring.com>

...Make that rectifier a type 83!
/John

Date: Sun, 8 Dec 1996 15:06:01 -0800
From: "Paul F. Carreiro" <carreiro@barepower.net>
To: maty@arrl.org
Cc: rdkeys@csemail.cropsci.ncsu.edu, conard@tntech.campus.mci.net,
Subject: Reprint Permission from old Handbooks
Message-ID: <199612082306.PAA10209@current.barepower.net>

Dear Maty,
Back on November 6th, you, on the behalf of the ARRL, graciously gave our internet "Glowbugs" group permission to make a few copies of select historical

technical articles from early QST magazines (ref: attached Email below from yourself to Robert Keys, NA4G on 11/6/96). Since that time, interest and excitement has grown in our group about constructing some modern day versions of the simple 40s/50/60s style transmitters and receivers as depicted in the period QST magazines and "The Radio Amateur's Handbooks".

Many in our group have wanted to share their favorite tube gear construction articles and schematics from issues of QST and the "Handbook" with others within the group. With the relative rarity of some of these issues and books it is essential that we pool our archive resources to further our charter (ie., the building/testing/learning about early receivers and transmitters).

After reviewing the initial grant of permission that you extended our group last month, I thought it would be appropriate to formally request expansion of that permission to include various tube gear construction articles and schematics from later editions of QST and add permission to include construction articles and schematics from the "Handbook". In each case, we would have the proper "reprinted with permission from [issue date] QST (or Handbook)".

Again, thank you for the initial grant of permission, and consideration of our request.

Sincerely,
Paul F. Carreiro, N6EV
carreiro@barepower.net

Included Email:

```
> From maty@arrl.org Wed Nov 6 09:23:57 1996
> Message-Id: <m0vL8T5-000f4BC@mgate.arrl.org>
> Date: Wed, 6 Nov 1996 08:54:00 -0500
> From: "Weinberg, Maty" <maty@arrl.org>
> Subject: RE: Request permission to use serveral o
> To: rdkeys <rdkeys@csemail.cropsci.ncsu.edu>
> X-Mailer: Worldtalk (NetConnex V4.00a)/MIME
>
>
> Robert,
>
> You may make copies of the article outlined below for distribution
> to the "Glowbugs." Please be sure to include the "reprinted with
> permission from
> [issue date] QST" line on the copies.
>
> Sincerely,
>
> Maty Weinberg
```

> Assistant to the Publications Manager

> -----

>> >From: rdkeys

>> To: lweinberg

>> Cc: rdkeys; mwilson; conard

>> Subject: Request permission to use serveral old QST articles

>> Date: Thursday, October 31, 1996 3:22PM

>> To: lweinberg@arrl.org

>> Date: Thu, 31 Oct 1996 15:22:33 -0500 (EST)

>> -----

>> Lori Weinberg, 31 October, 1996

>> Mark Wilson, Publications Manager American Radio Relay League, 225

>> Main Street, Newington, CT 06111-1494.

>>

>> Dear Lori and Mark:

>>

>> Back in 1993, I requested and was granted permission to use several
>> early QST articles in a historical radio work that I was writing
>> for use by interested local hams in our club's Homebrew SIG. That
>> went well, and was well received. Thank you for your permission to
>> use those articles.

>>

>> Lately, there has been some interest, amongst a group of radio
>> history buffs and constructors, known as the Glowbugs, a group
>> interested in learning about the history and development and
>> practical application of vacuum tube electronics in amateur radio,
>> in using some of these articles as a basis for
>> building/testing/learning about early receivers and transmitters.
>> This group meets via the internet as a mailing list of about 200
>> individuals. Out of these 200, perhaps some 25 or so are
>> interested in actually building and testing such early equipment.
>> It would be of benefit to me or them/us, collectively, to be able
>> to use about half a dozen or so of the historically more important
>> articles that have appeared in QST, for our
>> building/testing/discussions on the topic. Of particular interest
>> would be classic articles such as the John Reinartz regen receiver
>> article in 1922, the 1928/29 articles on receivers and transmitters
>> (the ``1929'' style amateur station series put together by the ARRL
>> Technical Department under the able direction of the well known
>> Ross Hull), several of the articles made famous by the other well
>> known Technical Department staffer, George Grammer, in the 30's,
>> and then one or two after the war when the last general use of such
>> equipment was made, and the transition to the classic novice style
>> single tuber rig began. These are basically the articles that you
>> granted me permission to use, previously, plus one or two other
>> selections that seem appropriate.

>>

>> My/our(the Glowbugs) use of these articles should fall under the

>> scholarly use category, as I interpret such matters. But, I feel
>> that it is appropriate to obtain express permission, and
>> credit/cite ``Reprinted, [issue date], courtesy QST'', as I had
>> done earlier in previous works.
>>
>> To this end, I would like to formally request permission from the
>> ARRL to make a few copies of selected early QST articles, as
>> covered above, for my/our(the Glowbugs) use in our
>> discussions/building/learning about early radio.
>>
>> Thank you for your consideration in this matter.
>>
>> Sincerely,
>> Robert D. Keys/NA4G
>> rdkeys@csemail.cropsci.ncsu.edu
>>
>> p.s. Two other things that might be of interest to other amateur
>> radio
>> operators..... 1) a short note in QST about the Glowbugs,
>> and how interested members of the amateur community may join
>> in on our discussions and on-the-air nets, and 2) the
>> articles that I put together back in 1993 are in electronic
>> PostScript format which might be worth archiving in the
>> ARRL's on-line archives somewhere, if interested (I would be
>> happy to forward copies via email if so interested)(perhaps
>> other such historical reprints could be put there, too).
>>
>> cc C.F. Murray/WS4S conard@tntech.campus.mci.net
>> (listowner of glowbugs@theporch.com)
>> cc Glowbugs mailing list (glowbugs@theporch.com)
>>
>> Note: The Glowbugs mailing list information can be obtained from
>> the listowner, C.F. Murray/WS4S,
>> conard@tntech.campus.mci.net, via email.
Paul F. Carreiro - N6EV - ex-N6HCS - El Camino Village, CA
E-Mail: carreiro@barepower.net - <http://www.barepower.net/~carreiro/>
QRP - Boatanchors - Mobile CW - QRQ +40WPM
NorCal QRP #367 - QRP QRCI #8885 - CW FISTS #1407 - QRP-L #236
Zuni Loop Mountain Expeditionary Force (QRP Field Day)

Date: Sun, 08 Dec 1996 18:39:27 +0000
From: "Lawrence R. Ware" <lrware@pipeline.com>
To: vss@mlist.access.digex.net, glowbugs@theporch.com
Subject: Larry's Fifth Day of Christmas

Message-ID: <1.5.4.16.19961208183927.378f9294@pop.pipeline.com>

Good evening BA, glowbug and VSS fans:

It's time for "Larry's fifth day of Christmas," part five of a 12 part giveaway between now and Christmas. Tonight I'm posting this to "glowbugs" and "VSS," as well as BA because some of this junk, (errr, *Great Stuff*) might come in handy to my QRP builder, and vintage sand-state friends too.

So without further ado...

Welcome to Larry's "Fifth Day of Christmas" free stuff giveaway. Tonight for your perusal, the following items are available free to good BA, VSS, or glowbugs homes. You get to pay the shipping.

Lot One:

New EBY ceramic HC-6U crystal sockets. Perfect for that glowbug or restoration project.

I still have some of these, one or two per request while they last.

Lot Two:

Stack of nice silk screened LM-317 (TO-3) variable output power supply PCB's. With the right parts and a heat sink good for up to 5 amps DC. Great for power supply builders, or regulated DC on your firebottle filaments. About 2.5 X 2.9 inches, everything but the transformer goes on the board. These are raw PCB's only, (no components on board.) While they last.

(I still have a stack of these folks, lets move em out! :-)

Lot Three:

Some assorted crystal sockets for *OLD* crystals. These are quite a bit larger than the FT-243 type. Not sure what the holder would be called.

Lot Four: (only new item tonight)

One each old headphone set, needs tender loving care.

Western Electric type TTS-3 (509).

Complete, W/connector, no mods, might be "correct" for vintage set half as old as the rockies! I have no idea what these match, but if you own it, I expect you will...

Thats going to do it for now, Keep your eyes open for parts

Six to twelve as we march towards the Christmas season...

Hey, it sure beats throwing this stuff out! <grin>

Winners will be determined by:

1) Tell me why you need/want them, points awarded for:

- a) Repairing or building a firebottle, or VSS rig.
 - b) Needing them to complete a project.
 - c) Looking for someone your "Elmer-ing"
 - d) For old manuals/documents owning the radio or whatever.
 - e) *Making up an outrageous story of what you will use them for. :-)
- * For item "d" the taller and more unbelievable the better...

Storys about Murphy, bad luck, Area 51, or how Murphy escaping from Area 51 is bad luck, are always good for extra points.

2) Bonus points to anyone who has sent me a manual, helped me find a part, or provided advice, (good or bad, it's the effort that counts. :-) or sold me something at a reasonable price.

3) Double bonus points to anyone who has posted thoughtful technical comments to one of the lists recently. I'm not that thoughtful a person myself, but I learn a lot from reading.. :-)

Winners will be determined any darn way I feel like.
Judges decision is final. (Although open to bribes :-)

-Larry

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Factory trained HP, Tek. & Fluke Surgeon on staff.
Good Home Guaranteed or double your junk back!
lrware@pipeline.com, - Orlando, Florida -

Date: Sun, 08 Dec 1996 19:06:19 -0500
From: Bob Marsh <bmarsh@hicom.net>
To: Glowbugs List Server <glowbugs@theporch.com>,
Subject: Life is Good
Message-ID: <32AB57FA.65CD@hicom.net>

Hi everyone,

Well after struggling, cursing, throwing things against the wall (nothing important, though) and generally being frustrated, I finally got my HW-16 on the air. This afternoon I worked Bry/AF4K and then Don/VE9XX on 3579. What a rush!

The rig still needs some work, but it seems ok to put on the air. I still have to replace the 15k PWR LVL pot, but that's gonna mean removing the front panel. (it sits 1/4" away from L-11 and won't come out otherwise.

Now for a question. The sidetone on this baby is absolutely horrible and way too loud. I know nothing can be done about the tone, but I'd rather not listen to it if I don't have to. I replaced the 500k R-63 with a 1 meg resistor per Heathkit, but I'd like to know if I can use a higher value to bring the level down a LOT more. Has anyone done this, and what value resistor would you recommend? I could just play with it, but the foil on that PC board looks a little shaky. Any advice would be greatly appreciated.

Thanks to everyone who provided advice/encouragement/whatever. Now all I have to do is finish up the SB-301/401 pair.

73 de Bob/KB2SGM

Date: Sun, 8 Dec 1996 18:10:23 -0800 (PST)
From: tomrice@netcom.com (Tom R. Rice)
To: boatanchors@theporch.com (ba)
Cc: glowbugs@theporch.com (glowbugs)
Subject: Dec. 7th: "Yoop-yoop"
Message-ID: <199612090210.SAA17029@netcom23.netcom.com>

Forwarded message:

> I got "you have a little chirp"
> reports from all over...heh heh,

I just want to express my thanks and deepest appreciation for the efforts of those courageous souls who lit up the 80-meter BA freq on the evening of December 7.

I've never before had so much fun sharpening my meager CW copying skills. Many times I simply couldn't stop laughing at the "chirpy" (and worse: all calls omitted to protect the guilty) signals. In fact, I missed "Mission Impossible" on the satellite because this was much more fun.

You may be sure that my Hartley construction program will be accelerated. If I'd known I could have signals like those, I'd have done it much sooner!

Keep it up, folks; the world needs us.....

73 de WB6BYH

--

"Start off every day with a smile and get it over with." --W.C.Fields
Tom R. Rice

tomrice@netcom.com
CIS: 71160,1122

Date: Sun, 8 Dec 1996 18:24:39 -0800 (PST)
From: tomrice@netcom.com (Tom R. Rice)
To: glowbugs@theporch.com (glowbugs)
Subject: Hookup wWire and Dial Plates
Message-ID: <199612090224.SAA18824@netcom23.netcom.com>

Having been bummed out by the typical "hookup wire" sold by RS and other outlets (having only a 300-volt rating), I was pleased to see, at my local hardware store, 18-ga TNN electrical wire. All right, 18-ga is a bit thick, but TNN wire is rated at 600 volts (and is also oil/gasoline resistant!). It is stranded unplated copper wire and is available in several colors at 7 cents per foot. I'm using it for all the transmitter projects!

Some time ago, I was bemoaning the lack of the old metal dial plates one got in the package when one bought a pot (you got a knob, also). So imagine my joy when the new Allied catalog arrived and, behold, two potmakers are offering these plates in several sizes!

In the interest of more realistic rigs.....

73 de WB6BYH

--
"Start off every day with a smile and get it over with." --W.C.Fields
Tom R. Rice
tomrice@netcom.com
CIS: 71160,1122

Date: Sun, 8 Dec 1996 22:19:14 -0800
From: "Paul F. Carreiro" <carreiro@barepower.net>
To: Glowbugs@theporch.com
Subject: Re: Reprint Permission...
Message-ID: <199612090619.WAA14386@current.barepower.net>

Hello fellow Glowbugs..
I thought a small note of explanation regarding my earlier Reprint Permission post is in order. I took a second look at the permission originally given by the ARRL and felt it needed to be expanded to include the ARRL Handbooks and

later versions of QST. We have some articles and schematics from various handbooks that we'd like to put up on the WWW site. I just wanted to cover our backsides before the items were put up. That post, was sent to the person at the ARRL who originally gave the permission.. and was CC'd to this list and a few other individuals.

If you haven't found it yet, check out <http://www.barepower.net/~carreiro/> and follow the links to the Glowbugs page.

If you have anything you'd like to have posted on the page, please email me. Also, if you have spotted articles of interest that are not in the linked bibliography pages, please send them too. I've found a lot of nice designs in the 50's/60's handbooks, but my collection is rather limited.

Another request regarding the bibliography... I've tried to describe the design depicted in the article with the tubes used, and power supply requirements. Is there any other characteristic that I should be including with the critique of the design that would be helpful to those searching for a design? Please email your thoughts.

Thanks.. 73

Paul N6EV

Paul F. Carreiro - N6EV - ex-N6HCS - El Camino Village, CA
E-Mail: carreiro@barepower.net - <http://www.barepower.net/~carreiro/>
QRP - Boatanchors - Mobile CW - QRQ +40WPM
NorCal QRP #367 - QRP QRCI #8885 - CW FISTS #1407 - QRP-L #236
Zuni Loop Mountain Expeditionary Force (QRP Field Day)

End of GLOWBUGS Digest 377
